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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference				
213838-00067	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPRA/416)		
International application No.	International filing date (day/mont	h/year) Priority date (day/month/year)		
PCT/US03/17873	05 June 2003 (05.06.2003)	05 June 2002 (05.06.2002)		
International Patent Classification (IPC) o	r national classification and IPC			
IPC(7): A61K 39/00; C12Q 1/68; C07H 2	1/04 and US Cl.: 424/185.1; 435/6;	536/24.31		
Applicant	Applicant			
BAYLOR COLLEGE OF MEDICINE				
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 				
2. This REPORT consists of a	total of sheets, including the	is cover sheet.		
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). These annexes consist of a total of sheets.				
3. This report contains indicat	ions relating to the following iter	ms:		
I Basis of the report II Priority III Non-establishment of report with regard to novelty, inventive step and industrial applicability IV Lack of unity of invention V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability, citations and explanations supporting such statement VI Certain documents cited VII Certain defects in the international application VIII Certain observations on the international application				
Date of submission of the demand	Date of	completion of this report		
05 January 2005 (05.01.2005)		sst 2005 (20.08.2005)		
Name and mailing address of the IPEA/US Mail Stop PCT, Atm: IPBA/ US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 223 13-1450		ed officer Bell-Harris for world, Ph.D. Bell-Harris for		
Facsimile No. (703) 305-3230 Telephone No. 571-272-1600				
rm PCT/IPEA/409 (cover sheet)(July 1998)				

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.	
PCT/US03/17:273	

I	. Bas	is of the report	-
1	. With	regard to the elements of the international application:*	_
l	\boxtimes	the international application as originally filed.	
	\boxtimes	the description:	
		pages 1-28 as originally filed	
		pages NONE , filed with the demand	
		pages NONE, filed with the letter of	
l	K	the claims:	
١.		pages 29-32, as originally filed pages NONE, as amended (together with any statement) under Article 19	
		pages NONE, as amended (together with any statement) under Article 19 pages NONE, filed with the demand	
		pages NONE , filed with the letter of	
		the drawings:	
		pages NONE as originally filed	
		pages NONE , filed with the demand	
		pages NONE, filed with the letter of	
	Ш	the sequence listing part of the description:	
		pages NONE as originally filed	
		pages NONE, filed with the demand pages NONE, filed with the letter of	
2.	Wit	a regard to the language, all the elements marked above were available or furnished to this Authority in the	
	rans	uage in which the international application was filed, unless otherwise indicated under this item	
	The	se elements were available or furnished to this Authority in the following language which is:	
	Ц	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).	
	Ц	the language of publication of the international application (under Rule 48.3(b)).	
	Ш	the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).	
3.	With inter	regard to any nucleotide and/or amino acid sequence disclosed in the international application, the national preliminary examination was carried out on the basis of the sequence listing:	
		contained in the international application in printed form.	
	Ц	filed together with the international application in computer readable form.	
	Ц	furnished subsequently to this Authority in written form.	
	M	furnished subsequently to this Authority in computer readable form.	
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.	
		The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.	
4.		The amendments have resulted in the cancellation of	
		the description, pages <u>NONE</u>	
		the claims, Nos. NONE	l
		the drawings, sheets/fig NONE	I
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**	
* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). ** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.			
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Form PCT/IPEA/409 (Box I) (July 1998)

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International arr PCT/US03/17t8 7.3

1. STATEMENT		
Novelty (N)	Claims 4-21	YE
	Claims 1-3,	NO
Invention Stan (IS)		
Inventive Step (IS)		YES
	Claims 1-18	NO
Industrial Applicability (IA)	Claims 1-21	YES
	Claims NONE	NONO
as set forth above, the references teach an oligonucleo EQ ID NO:6, T cell receptor (TCR) Vβ9, with multipit, and methods of using said primers for the detection Claims 1-21 meet the criteria set out in PCT matter claimed can be made or used in industry. Claims 19-21 meet the criteria set out in PCT omprising one of the claimed sequences nor an effect.	of MS set forth in the claims. Article 33(4), and thus establish industrial a	pplicability because the subject
NEW CITATIONS		
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INTERNATIONAL	PRELIMINARY I	EXAMINATION DEPORT
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International application No.

PCT/US03/17873

VЩ.	Certain	observations	on the	international	application
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The following observations on the clarity of the claims, description, and drawings or on the questions whether the claims are fully supported by the description, are made:

Claims 19-21 are objected to as lacking clarity under PCT Rule 66.2(a)(v) because the claimed vaccine and method of treating an autoimmune disease is not fully supported by the description. The description does not disclose the claimed invention in a manner sufficiently clear and complete for the claimed invention to be carried out by a person skilled in the art because: the disclosure fails to establish that the claimed vaccine would provide an effective treatment for an autoimmune disease. Indeed, the only autoimmune disease that the polypeptides of the claims can even be associated with is MS. And additionally, a mere association with a disease does not provide enablement for the treatment of said disease.

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